

Abstract

Provide a bulky paper that provides improved paper-strength properties such as higher tensile strength without increasing paper density, while also offering good optical characteristics such as opacity and brightness, wherein the paper is produced by: (a) blending polyacrylamides that have an electric charge of 2.0 m-equivalent/g or less at pH2 and also 2.0 m-equivalent/g or less at pH12; (b) adding fillers comprising amorphous silica or silicate with a specific bulk density of 0.3 g/ml or less, bulk-increasing agents comprising fatty-acid polyamide compound or of ester compound of polyhydric alcohol and fatty acid, and/or mercerized pulps or bridged pulps; and (c) adjusting the relative bonding area of the paper containing polyacrylamides to 1.2 times the relative bonding area of a paper not containing polyacrylamides, or less.

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